

THE SALEM
East India Marine Society.

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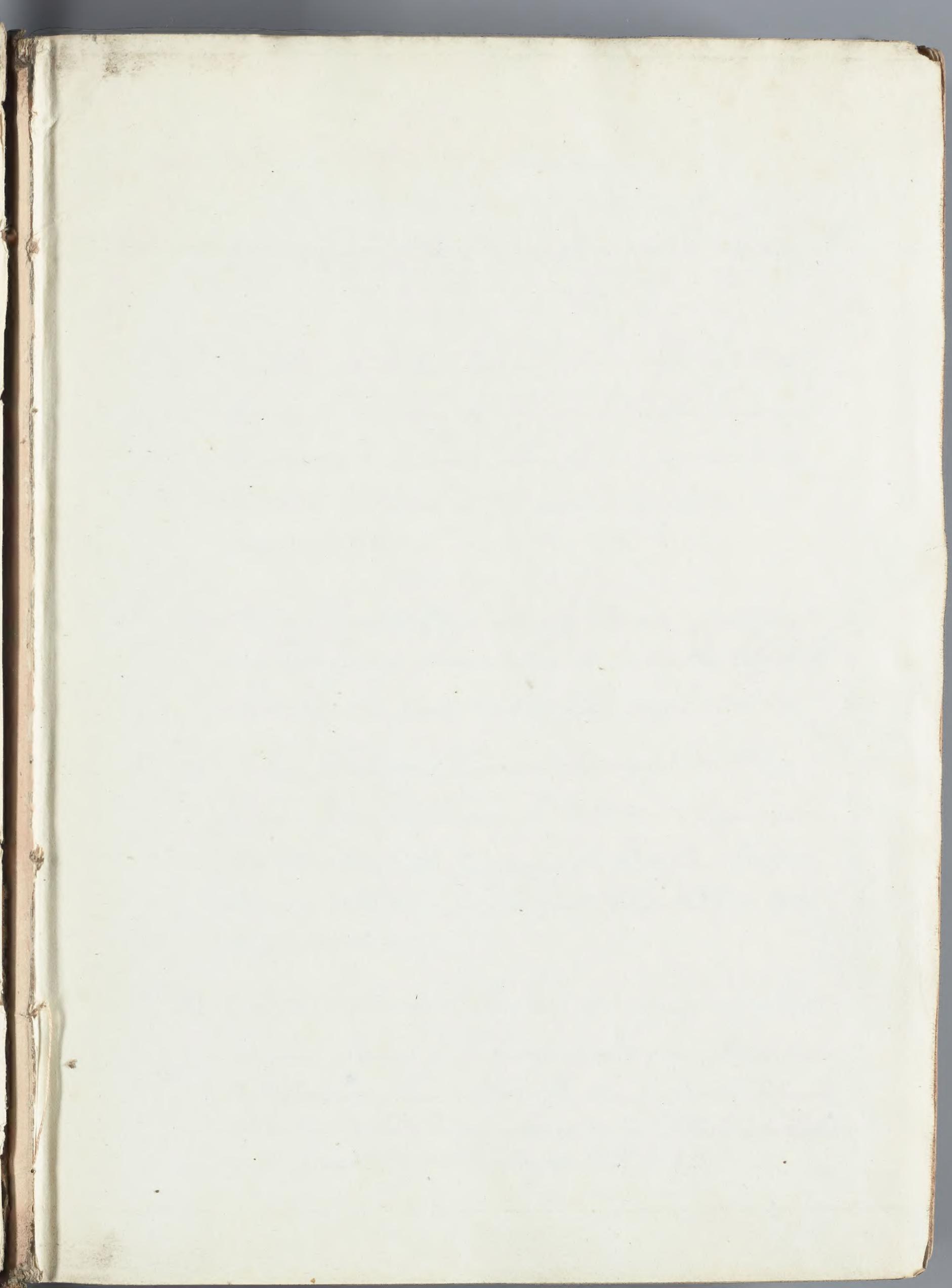
After yards are
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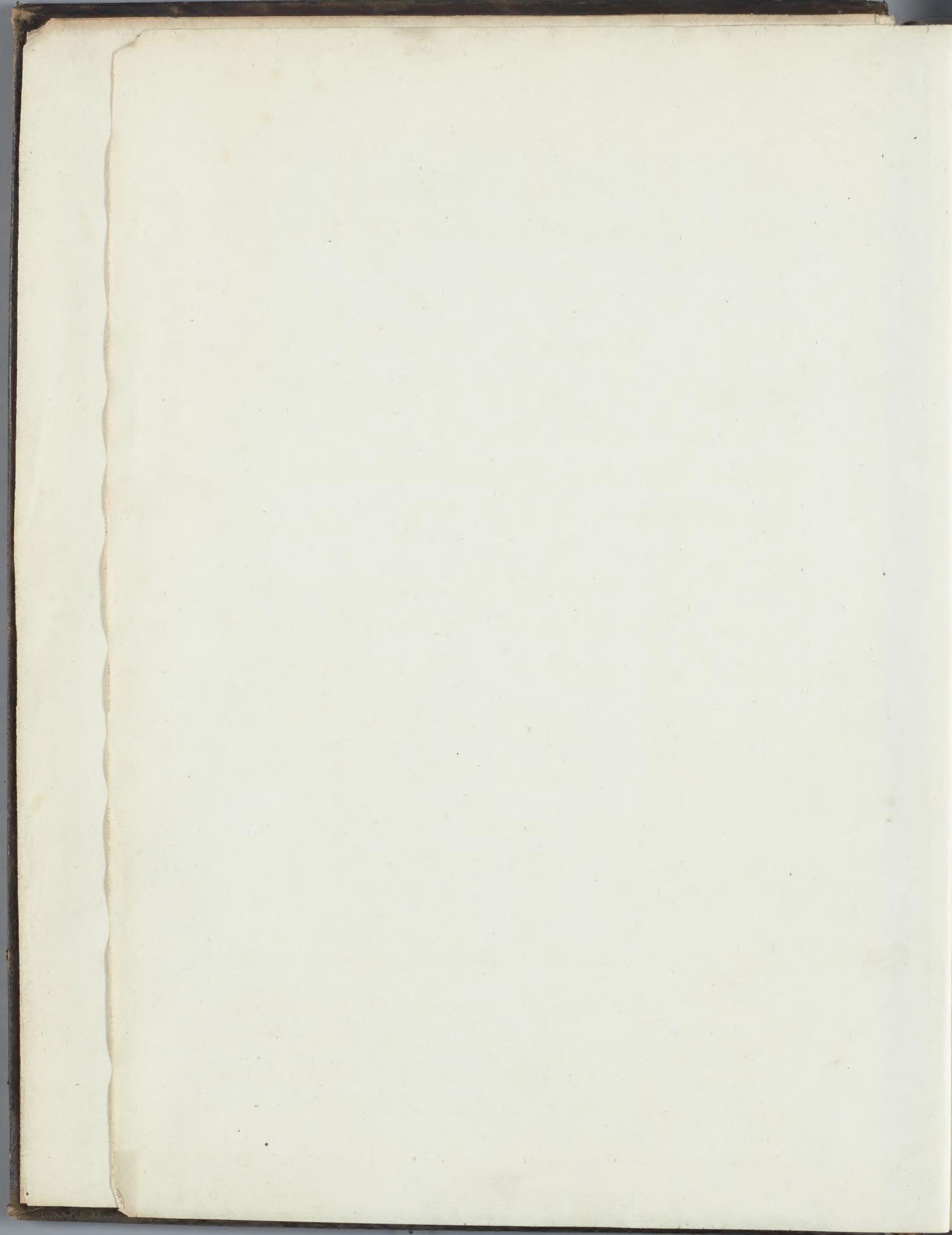


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Catalogue of the Journals contained in Vol. 10th.

N^o 81. Jonathan M. Ropes' Journal of a voyage in Brig Roscoe from Salem to Valparaiso, Callao, Guayaquil, the Sandwich Islands, Manilla, Singapore, Rho, Batavia & Salem, in the years 1825, 1826 & 1827. pages 1 to 82.

N^o 82 Samuel Endicott (of Beverly) Journal of a voyage in Ship George from Salem to Calcutta & back to Salem in the years 1826 & 1827. pages 83 to 160.

N^o 83 John Holman's Journal of a voyage in Brig Laura from Baltimore to Valparaiso, Coquimbo, Quilka, Chorillos, Guayaquil, Manilla, Pooloo Penang & Salem, in the years 1824, 1825 & 1826. pages 161 to 354.

N^o 84 George T. Saunders Journal of a voyage in Ship Caroline, James W. Chever, Master, from Monte Video to Valparaiso, Arica, Chorillos, the Sandwich Islands, Manilla, Pooloo Penang, Sumatra, St. Helena & Salem, in the years 1825 & 1826. pages 355 to 420.

N° 85 Timothy Endicott's Journal of a voyage in Ship Suffolk from Gibraltar to North West Coast of Sumatra & back to Gibraltar, in the years 1823 & 1824. pages 421 to 458.

N° 86 Timothy Endicott's Journal of a voyage in Ship Suffolk from Salem to Batavia & Antwerp in the year 1825. pages 459 to 502.

N° 87 Joseph J. Innes Jun^{rs} Journal of a voyage in Brig Phoenix. Alex Hanna, Master, from Antwerp to North West Coast of Sumatra & Gibraltar, in the years 1823 & 1824. pages 503 to 546.

N° 88 James Barr Jun^{rs} Journal of a voyage in Brig Jones. John Dwyer, Master, from New York to Madagascar & Salem in the year 1827. pages 547 to 588.

N° 89 William H. Neal's Journal of a voyage in Brig Java from Salem to Batavia, Samarang & Antwerp in the years 1820 & 1821. pages 589 to 647.

N^o 90 William H Neals Journal of a voyage in Brig^s
Java from Batavia to Mocha & thence toward
Gibraltar, kept as far as to the Cape of Good
Hope, in the years 1822 & 1823. pages 648 to 685.

No. 87.

JOURNAL

From *between* to *Venice, back to Genoa in*
 the *Big Pacific, after Return* *Master:*
kept by *John Williams* *for the use of the*

East-India Marine Society.

AT a Meeting of the EAST-INDIA MARINE SOCIETY, at their Hall, on Wednesday Evening, November 4, 1801, it was unanimously voted,—That in order to promote one great object of their institution, which was the acquiring of Nautical Knowledge, a Committee should be chosen to procure *Blank Journals* for the use of the Society; and that each Member bound to sea should be furnished with one of them, to be returned, with a regular diary of the winds, weather, and remarkable occurrences, during his Voyage, arranged in such manner as the Committee should direct.

Conformably to the above vote, a Committee was chosen, who, having procured JOURNALS of the present form, request the Members to fill up the blanks according to the following

DIRECTIONS.

THE blank at the top is to be filled up with the names of the Master, and of the person keeping the Journal, the name of the ship, and the places nearest to the ship on the days given in that page. As for example: after passing the Cape de Verds, say, from the Cape de Verds towards the Cape of Good-Hope.

In the 1st column of the Journal must be marked the day of the month; in the 2d, the course made good on that day; in the 3d, the distance sailed; in the 4th, the latitude at noon by account; in the 5th, the latitude by observation; in the 6th, the longitude by account; in the 7th, the longitude by observation reduced to noon by means of the log, or a time-keeper.

When the variation is observed, it is to be marked in the 10th column, the latitude and longitude in at the time of taking the observation, being calculated from the observed latitude and longitude at noon by means of the log, and marked in the 8th and 9th columns. When the variation is observed both in the evening and morning of the same sea-day, the evening observation must be marked first; and it may be also noted whether the observation was by an azimuth or amplitude, by marking the former *az.* and the latter *am.*

The winds are to be marked in the 11th column, two or three times each day, placing them regularly beneath each other.

In the right hand column must be noted, the general state of the weather, winds, currents, bearings of capes, islands, &c. with their estimated distances, and any other remarks that may be useful to navigators.

When an opportunity offers to take any observations for determining the latitude or longitude of any remarkable place or point of land, it should be carefully attended to; and for the satisfaction of those who may examine the Journals, it will be proper to give a detail of the observations. Thus, if the observation was taken for determining the latitude by the meridian altitude of the Sun, it would be proper to note the altitude of the Sun's lower limb, taken from the quadrant, the declination, and the bearing and distance of the place at the time of observation. Should the place not be in sight at the time of taking the meridian observation, it would be proper to note the course and distance made good by the ship, between the times of taking the meridian observation and observing the bearing of the land. A particular attention to observations of this kind will probably be the means of procuring a valuable collection of useful information. If the latitude or longitude observed should differ from any late books or charts, it would be proper to note it. In case any general remarks on the wind, weather, &c. experienced in the passages, should occur to the Journalist, he is requested to arrange them in the blank pages left for that purpose at the end of the Journal. A page is also assigned for an account of the coin, weights and measures of the several places touched at in the voyage; and it is hoped that care will be taken in acquiring information on these subjects. Any remarks on the commerce of the different places touched at, with the imports, exports, and manner of transacting business, will be of public utility. Whatever is singular in the manners, customs, dress, ornaments, &c. of any people, is deserving of notice.

There should be collected for the Museum, specimens of various kinds of vegetable substances, earths, minerals, ores, metals, volcanic substances, &c. There should also be preserved (according to the directions hereafter given) such parts of birds, insects, fish, &c. as serve most easily to distinguish them; and if no part can be preserved, a description of any that are remarkable, may be given. Inquiry should be made for any remarkable books in use among any of the eastern nations, with their subjects, dates and titles. Articles of the dress and ornaments of any nation, with the images and objects of religious devotion, should be procured.

DIRECTIONS

For Collecting and Preserving Objects of Natural History.

BY SETH BASS, M. D.



I. MINERALS.—Minerals should be packed in cotton, oakum, or any soft substance. It would be proper to procure all the specimens of about the same size; pieces of three inches square will be sufficiently large. Specimens of all the most common rocks found on the Islands in the South Seas, and on the North-West Coast of America, would be considered valuable in the eyes of the Geologist and Mineralogist in America.

II. BOTANY, or VEGETABLE KINGDOM.—Plants should be collected when in flower, and placed between two pieces of blotting paper, and should be pressed moderately by placing a piece of board or plank on them for a day or two, and should then be taken out and placed in dry papers, taking care to lay all the leaves in a natural position, and then return them to the press with an additional weight. It will be necessary to change them several times, until they are perfectly dry; when they should be packed in a box, with a small quantity of Camphor, to prevent their being eaten by Insects. The boxes should be secured as close as possible. It is desirable to procure the seeds, or fruit, in their seed-vessels, in every case where it is possible. Fruit, if pulpy, may be preserved in spirits, and in some cases of rare plants, the flowers also. Seeds, when small, should be well dried and wrapped in paper, with some account of the plant; whether a tree, or annual plant; the situation in which it was found, &c.; and then packed in glass bottles, well corked, or secured with a cement made of Bees-wax and Resin. The larger seeds may be packed in dry powdered charcoal in a close box. Seeds of all kinds may be brought home in bottles of *Honey*, and this is probably the very best method of preserving them. Specimens of the different species of Wood found growing on the Islands in the Pacific Ocean, and North-West Coast of America, would be curious, and may be useful. Blocks sawed about one and an half inch thick, with the bark on; if the log is very large, the block may be split in quarters or any section of a circle.

III. MADREPORES, CORALS, &c.—To preserve marine productions, it is always necessary to soak them in fresh water, in order to extract the salt, and perhaps it would be best to have the water boiling. Specimens of all the Madre pores and Corals, &c. with the animals in them, preserved in spirits, and secured in close stopped bottles, would be a great addition to our Museum. Pieces of three or four inches in length will be sufficiently large.

IV. CONCHOLOGY, or SHELLS, and the animals that inhabit them.—Those Shells only are worth preserving in a Cabinet of Natural History, which have been taken with the animals alive in them, as those which are driven on shore by the tide, have generally been dead some time, and if not broken, the colours are always much faded, and sometimes are so much altered that they cannot be recognized as the same species; for the shell begins to bleach the moment the animal is dead; and therefore the only way to procure good specimens is to get them fished up, and to have the animals extracted, which may be done by pouring boiling water on them. Then soak the shells in fresh water for twenty-four hours, to extract all the salt, and pack them carefully with cotton in a box; but no attempt should be made to clean them on any account. It would be an addition of considerable interest to have a shell of each kind with the animal in it, preserved in spirits, as they are very imperfectly known.

V. ENTOMOLOGY.—Insects should be secured by pinning them into shallow cases, and very carefully closed by pasting strips of paper over the seams of the case; or the case may be enclosed in canvas, or thick paper, and then smeared over with pitch or tar; they will then be very secure from moisture. A small quantity of Camphor should be enclosed in a piece of gauze, and nailed into the case, to keep away other insects which would destroy them. Spiders and Worms should be preserved in spirits.

VI. CRUSTACEOUS ANIMALS.—Crabs, Sea Urchins, or Sea Eggs, and the like, should have the internal parts removed, and if large, carefully packed in boxes of powdered charcoal, or saw-dust, having been well washed in fresh water previous to packing them. If the species are small, preserve them in spirits.

VII. REPTILES AND FISH.—If the specimen is small, preserve it in a bottle of spirits. But if of large size, they should be carefully skinned, and then the blood soaked out by soaking in fresh water, changing the water several times. The skins may then be put into casks of strong brine. The heads of fish, with the gills, should be preserved entire.

VIII. ORNITHOLOGY.—To prepare and mount Birds, let the following directions be attended to, viz. Skin the bird as soon after the bird has been killed as may be convenient, in the following manner:—Make an incision down the side under the wing sufficiently large to permit the body to be taken out; disjoint the legs at the knees, and the neck close to the head; take out the brains, eyes and tongue; dissect as much of the muscles from the wings as you can, and then strew over the whole a fine powder composed

of white oxide of arsenic, one part, mixed with burnt alum, two parts; then stuff the head and legs with cotton; pass wires up the legs, and through the neck and head. Sometimes the wings may be supported by wires when they are to be spread; but generally they should be kept in place by pinning them to the side. If you intend to mount the bird, a piece of cork must be cut of exactly the same shape as the body of the bird, and the skin sewed over it, and the wires secured in the cork to support it—or the body of the bird may be slightly stuffed with cotton and hung up in the air to dry, and afterwards packed in a close case in cotton, with some pieces of camphor strewed in the case. All possible care should be taken to keep the feathers clean. In order to keep them perfectly secure, it would be best to cover the box with old canvas, or thick paper, and then smear it over with pitch.

The Nests and Eggs of birds are objects worth collecting. The eggs should have their contents blown out, then packed in the nest with cotton, and stowed into a box.

IX. QUADRUPEDS.—Animals should be carefully skinned, and the flesh dissected as clean as possible from the head and feet. It may not be necessary in every case to separate the head from the skin; but the safest method is to put the head into boiling water to boil the flesh; then take out the brains, eyes, &c. wash it clean, strew powdered *Arsenic* and *Alum* over it; then replace it in the skin, and secure the skin carefully to the teeth. The feet and ears should be wet with Spirits of Turpentine, and then the whole outside as well as inside strewed over with the powder of *Arsenic* and *Alum*. After sewing up the abdomen, except a small opening, stuff the skin with some light and dry substance; in some cases it may be more convenient to bring the skin home in strong brine, if the animal is large; in which case care must be taken to have all the blood soaked out before it is placed in the brine; and if soaked for some days in alum water, previous to placing it in the pickle, it would be an additional security.

NOTE.

In filling up the Journal, care must be taken not to write near the margin of the paper, either at the top, bottom, or the side; to prevent any of the writing from being cut off in binding up the Journals.

JOURNAL in the Brig. Phoenix. Aug.

Date.	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Vari.
1823									
Aug 5	S 18. m	95	19. 06. 4	18. 25. 4	5. 45. m				
" 10 05. 1 m	80	17. 48	17. 35	7. 19					
" 7. 5 40. 0	34	17. 13	16. 55	5. 05					
" 8. 8 49. m	151	16. 87	16. 09	11. 02			16. 32	1. 05	21. n
" 9. 9. 51. m	157	15. 28	15. 21	14. 02					
" 10. 52. 1 m	154	14. 08	14. 58	13. 12	13. 03				
" 11. 6 26. 10	193	37. 54			19. 43	15. 29			
" 12. 6 17. m	153	35. 31	35. 31	17. 26	17. 10				
" 13. 6 17. m	134	33. 28	33. 32	19. 11	18. 01				
" 14. 6 21. m	190	30. 35	30. 33	16. 38	16. 01				
" 15. 6 25. m	188	27. 54	27. 54	21. 10	20. 34				

Ghanna Master, from the Girard towards Madura.

Winds.

Weather, Currents, Bearings of the Land, and Remarkable Occurrences.

W. N. W.	Commences with light breezes & squally with rain at 1 P.M. the Girard bore S. W. by Comp. Dist 8 leagues from which I take a Departure. a Southerly Current of 34 miles. Ends moderate & cloudy.
M. by N.	Commences light breezes & squally with rain. a Southerly Current of 12 miles.
M. N. W.	Ends with light breezes & pleasant weather.
S. N. W.	Light breezes with passing clouds. a Southerly Current of 18 miles this last hours.
M. S. W.	Ends moderate & pleasant.
S. S. E.	Comm ^d gentle breezes from the N. onward inclin ing E. & S. E. a Southerly Current of 18 miles Ends fine breezes & pleasant.
S. S. E.	Comm ^d fresh breezes & pleasant weather. a Southerly Current of 7 miles. Ends more moderate & pleasant.
S. S. E.	Comm ^d pleasant. At 1 P.M. measured the Dist of the Sun & moon, which made the Long ^o 18 ^o 53' N. This 24 hours I allow for Current 1 mile per hour. S. S. E. by Comp. Ends fresh breezes & pleasant.
S. S. E.	Comm ^d fresh breezes & pleasant. At 2 P.M. Long ^o by Sun & moon. was 15 ^o 7' N.
E. S. S. E.	Ends fresh breezes & cloudy.
N. E.	Comm ^d fresh breezes & cloudy mid. part more moderate. Ends light breezes with passing clouds.
S. S. E.	Light breezes & cloudy weather mid. part Breeze increasing & cloudy.
E. S. S. E.	At noon made the Island of Madeira bearing S. E. by Comp. Dist about 12 leagues.
East	Fresh breezes & cloudy weather. At 3 P.M. Obs ^d the Dist of Sun & moon. mean of 3 observations made the Long ^o 17 ^o 52' N. the western point of Madeira bearing S. S. E. by Comp. Dist about 12 leagues.
E. S. E.	Fresh breezes & pleasant weather at 5 P.M. Long ^o by Sun & moon, 19 ^o 20' west
E. S. S. E.	Ends moderate & hazy weather.

JOURNAL in the Brig Phoenix. Alex.

Date.	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
18 23									
Aug 18	122 N	171	ob	75	m	21.50	<i>M</i> <i>Brake</i> <i>Geo. 2</i>		
" 19	122 N	158	23.07	23.10	22.25	21.50	"		
" 20	122 N	150	22.23	22.26	23.07	23.22	"		
" 21	123 N	150	20.02	20.01	23.33	24.45	"		
" 22	123 N	145	18.02	18.00	20.51	25.14	"		
" 23	121 E	109	16.14	16.16	20.28	25.31	"		
" 24	121 E	43	14.57	—	20.35	26.37	"		
" 25	121 E	108	13.17	—	23.40	—	"		
" 26	121 E	10	13.04	13.03	23.37	—	"		
" 27	121 E	135	11.35	11.36	21.55	—	"		
" 28	121 E	158	9.23	—	20.12	20.13	"		
" 29	121 E	160	7.50	8.02	18.11	18.16	"		

16 annas. Master, from *Mc. adelis a* towards *Cape de Verdd.*

Winds.	Weather, Currents, Bearings of the Land, and Remarkable Occurrences.
East	Comm'd fresh breezes - pleasant weather.
E. & E.	Mid. part. Breeze increasing & inclining Northerly.
W. & E.	Ends fine breezes from the N.E. & pleasant.
E. & E.	Fine breezes - pleasant weather.
"	Sub. part. moderate & hazy.
E. & E.	Comm'd fresh breezes - thick hazy weather.
"	Ends fine breezes & pleasant.
E. & E.	Comm'd fine breezes & pleasant.
at 9.15 A.M. Long. by moon & anchors. deduct to noon as per column.	Ends fine breezes with passing clouds.
E. & E.	Comm'd fine breezes & pleasant weather.
at 9.30 A.M. Long. by moon & anchors. deduct to noon as per column.	Ends light baffling airs from the S.W.
W. S. W.	Comm'd light airs pleasant.
East	at 9.45 A.M. Made the Island of Brazil. bearing S. E. by Comp.
E. & E.	Dist. 6 leagues.
E. by S.	Ends moderate & cloudy with squalls of rain.
	Comm'd with light breezes & passing clouds.
at 5.30 P.M. 45 nautical bore N. $\frac{1}{2}$ W. by Comp. Dist. 18 miles from which I take a departure.	Ends light airs & cloudy.
East	Light variable airs & pleasant.
6 a.m.	Mid. part. Calm & pleasant. Past the N.E. Islands.
S. W.	at 4 a.m. a light air from the S.W. Ends pleasant.
W. S. W.	Comm'd with light airs pleasant weather.
6.30 a.m.	Mid. part. Fresh breezes & cloudy. Some appearance of a current on the water. Ends pleasant.
6.30 a.m.	Comm'd fine breezes pleasant weather.
N. S. W.	Mid. part. Fresh breezes - Squally with showers of rain.
W. by S.	at 3.30 P.M. Measured the Dist. of the moon - aldebaran. Long ded. to noon as per column. Ends Squally.
S. S. W.	Comm'd fresh breezes with squally appearances.
S. W.	at 3.30 P.M. Dist. of X & C's nearest limbs made the long. ded. to noon as per column.
S. S. W.	Ends light breezes & cloudy.

JOURNAL in the 93rd Street Phoenix Alley

Date.	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
18 25									
Aug 27	818 E	54	7. 07		17. 07	17. 08			
" 28	838 E	72	8. 11	5. 20	15. 22	10. 23			
" 29	855 E	104	5. 13	5. 11	16. 59	13. 00			
" 30	839 E	85	4. 27	4. 22	13. 11	11. 24			
" 31	855 N	120	3. 37	3. 37	15. 30	13. 00			
Sept 1	851 N	128	2. 37	2. 38	17. 25	14. 44			
" 2	851 N	112	1. 29	1. 29	19. 30	15. 48			
" 3	855 N	147	0. 07	0. 05	21. 30	18. 50			
" 4	841 N	178	2. 00	2. 24	23. 50	21. 10			
" 5	820 N	105	4. 50	3. 03	25. 23	23. 03			
" 6	811 N	150	7. 50	7. 50	25. 57	23. 35			

He arrived Master, from Cape de Verds towards Cape of Good Hope.

Winds.	Weather, Currents, Bearings of the Land, and Remarkable Occurrences.
S. N. S. S. N. S. N.	Light breezes, cloudy weather continues squally at intervals throughout the whole board.
M. S. N. Northeast.	comes in light breezes & squally weather mid. part cloudy with passing squalls.
S. S. N.	Ends the same.
S. S. N. to S. W.	Fresh breezes & squally at 10. a.m. long by noon, red to noon as in column. must have had an Easterly Current.
S. S. N. " " " " "	Fresh breezes & cloudy. wind past the start. at 4.30 a.m. Obs ^o the E. S. S. of C. Ends pleasant.
S. S. N. S. S. N. South.	comes in light Southerly winds & pleasant weather. at noon, the Obs ^o E. S. S. of C made the Long 15. 00. N.
S. S. N. to S. S. N.	Fresh breezes & pleasant mid. part. Cloudy. Ends pleasant.
S. S. N. South S. S. N.	comes in fresh breezes & pleasant weather. mid. part. Squally. wind inclining Easterly. Ends fine breezes from the S. S. N. & pleasant.
S. S. N. South S. S. E.	comes in fine breezes & pleasant weather. mid. part. Squally. Ends pleasant.
South S. S. E. S. S. E.	comes in fresh breezes & pleasant. mid. part, fresh breezes & passing clouds a Southerly Current of 24 miles.
S. S. E. S. E. S. S. E.	comes in fine trade winds & pleasant weather. a Southerly Current of 17 miles. Ends pleasant.
S. E. E. S. E. S. E.	comes in fine breezes passing squalls. mid. part. Squally. Ends pleasant.

JOURNAL in the Brig Phoenix Alex.

Date. 18 23.	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
Sept. 7	831 N	150	8	8	"	"	8.25	83.53	10.71 am.
"	818 N	175	10.07	10.07	27.15	26.58	10.32	83.35	9.23 1/2
"	817 N	182	12.53	12.53	28.10	27.20	10.32	83.35	9.23 1/2
"	817 N	175	15.47	15.47	29.05	28.15	13.31	83.51	7.13
"	817 N	175	18.41	18.42	29.31	28.41	13.06	83.20	5.20 1/2
"	810 E	107	up to making the barometer at 5.30 am.	19.27	29.11	29.29			3.20 1/2
"	822 E	158	22.54	22.50	28.01	28.19			2.13
"	827 E	55	23.52	23.52	27.24	27.47	22.32	28.12	1.21
"	829 E	48	24.34	24.34	27.00	27.22			
"	840 E	48	25.11	25.11	20.30	20.15	24.47	27.15	1.24
"	828 E	74	26.15	25.11	25.51	26.09			
"	800 E	150	27.29	27.25	23.31	22.55			

Hanno Master, from Cape de Verde towards Cape of Good Hope.

Winds.	Weather, Currents, Bearings of the Land, and Remarkable Occurrences.
S.E. by S. W. S. E. W. by S.	Fresh trade winds & pleasant weather. Wind part brisk breezes with passing clouds. Ends moderate with fine weather.
S.E. by S. " E "	Comint fine breezes from the S.E. quarter & pleasant trade part. Breeze increasing at 11. am. Long. $\frac{1}{2}$ mean of 4 observations of O & C. abd ^d to noon, 27. 20 m Ends pleasant.
S.E. by C. "	all this 24 hours some trade winds pleasant.
S. E. E. S. E. East.	Comint fresh breezes & passing squalls.
East. Variable	Ends pleasant. Comint pleasant. At 3. Pm Long. $\frac{1}{2}$ O & C was 29. 45 m at 5.30 Pm. Made the Martin Vds. bearing S. W. by Comp ^d Dist 13 miles. At 6. Trinidado bore N. by E. at S. Martin Vds. (largest) bore N. by E. dist 1 miles. Ends pleasant.
E. S. E. East. E. N. E.	Comint light breezes & pleasant. At 4 Pm, the mean of 4 observations of O & C made the long. 29. 00 m. Trinidado then bore N. by E. Comp ^d Dist 50 miles, from which I take a new departure.
N. E. Variable	Comint moderate & pleasant. Wind part wind variable, clouds passing from the S. W. Ends moderate & pleasant.
E. S. E. N. E.	Light wind & variable from all points of the compass.
S. W.	Ends with a light air from the S. W. pleasant.
S. W. North	Comint light wind & pleasant weather.
N. E.	Ends light air from the N. E. pleasant.
W. North	all this 24 hours, light air from North to N. E. & pleasant weather.
N. E. N. N.	Comint with fine breezes & pleasant weather, long by Antares & C's nearest limb abd ^d to noon at 10. 00 column.
S. S. W. South.	Ends fresh breezes from the Southward.

JOURNAL in the Brig Phoenix. Alex.

Date. 18 23	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
			S.	S.	m.	m.			
Sept. 18	880° E	152	27° 52'	—	20. 41	20. 23			
" 19	884° E	137	27. 38	27. 33	18. 15	17. 34			
" 20	South.	52	28. 25	28. 25	18. 15	17. 34			
" 21	835° E	184	30. 58	—	15. 18	15. 42	West for		
" 22	840° E	132	32. 30	32. 24	14. 27	13. 51	West for		
" 23	849° E	101	33. 31	33. 31	12. 51	12. 26	West for		
" 24	857° E	199	35. 17	35. 17	9. 38	9. 02	West for		
" 25	864° E	226	35. 53	35. 54	5. 33	4. 57	West for		
" 26	878° E	93	35. 51	35. 51	3. 38	3. 08	West		
" 27	853° E	150	37. 58	37. 58	0. 30	—	East	East	
" 28	889° E	228	38. 02	38. 02	4. 00	3. 40	"	"	

Hanna. Master, from Cape de Verds towards Cape of Good Hope.

Winds.	Weather, Currents, Bearings of the Land, and Remarkable Occurrences.
W. by E. South.	Common fresh breezes from the Southwest & passing clouds. At 6 A.M. Found the sun nears & it's nearest limb sets the noon ad to Britain. Ends fine breezes. & cloudy.
S. by E.	Common light breezes with passing clouds. a heavy swell from the S. W. for which I allow 20 miles S. by W. to the east of S. E. Ends fine breezes pleasant weather.
South	Light breezes pleasant. wind inclining Eastward
E. S. E. N. E. by E.	Ends fine breezes from the N. E.
W. by E. W. & E.	fresh breezes cloudy. Wind east. Breeze increasing & tending to the North.
North.	Ends fresh breezes. cloudy with rain at intervals.
North	Common fresh breezes from the North & cloudy.
W. S. W.	Wind fresh. Wind shifted suddenly to N. S. W.
North.	Ends moderate with passing clouds.
W. by N. N. S. W.	Common moderate & cloudy. a heavy swell from the N. S. W. for which I allow 12 miles. ends pleasant.
N. W. by N.	Common moderate & pleasant, Wind east. Breeze increasing & inclining Northward with passing clouds. Ends fresh breezes & cloudy.
North	fresh gales from the North. cloudy.
S. W.	Wind part the same. a heavy sea making
W. east.	Ends more moderate. pass'd considerable Help & Rockwood.
S. W.	Common fresh breezes with passing clouds.
South	Wind part light airs from the South.
East	Ends fresh breezes from the East.
E. by N. N. E.	Common fresh breezes & cloudy weather.
W. by N.	Ends fresh breezes from the North. cloudy.
North	fresh breezes & cloudy weather.
S. W.	Wind part. Brist gales from the N. W. & squally with rain. at 8.30 C & C read to noon 3.40 East.
W. east.	Ends fresh breezes & pleasant.

JOURNAL in the Brig Phoenix Aug

Date.	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
18 23			Scd	South.	East	East.			
Oct 19	W 138	200	37 35	37 35	8. 11	7. 30			
" 30	889 E	200	37 39	37 38	12. 25	11. 10			
Oct 1	W 59 E	142	37 35	37 35	15. 25	15. 52			
" 2	W 83 E	54	37 35	37 34	15. 32	17. 00	Brat for		
" 3	W 14 E	120	39 31	39 31	17. 09	17. 37	Brat for		
" 4	W 52 E	17	39 21	39 22	17. 25	17. 54	Brat for		
" 5	W 21 E	95	37 54	37 54	18. 11	18. 39	Brat for		
" 6	843 E	58	38. 07	38. 30	18. 59	19. 27	Brat for		
" 7	W 79 E	135	38. 10	38. 11	21. 18	22. 10	Brat for		
" 8	882 E	71	38. 19	38. 21	23. 17	23. 45	Brat for		
" 9	W 28 E	35	37 31		23. 35	24. 05	Brat for		

He anno. Master, from Cape at Roads towards Cape of Good Hope.

JOURNAL, in the Dig Phoenix Alcy.

Date.	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
18 23									
Oct. 10	2130 E	80	35. 42	35. 42	24. 25	24. 30	East Brook for		
" 11	2033 E	87	35. 52	35. 52	25. 30	20. 24	Brook for		
" 12	083 E	173	30. 13	30. 14	24. 29	24. 37	Brook for		
" 13	N. 83 E	150	30. 05	35. 55	32. 11	33. 54			
" 14	S 2 E	142	35. 01	38. 17	32. 30	34. 02	1820 for		
" 15	1085 E	147	38. 03	38. 03	35. 30	37. 17			
" 16	2073 E	171	37. 15	37. 03	39. 03	40. 18			
" 17	11. 70 E	130	30. 21	30. 15	41. 30	42. 30	Brook for		
" 18	085 E	115	35. 25	30. 10	43. 50	45. 12	Brook for		
" 19	079 E	143	30. 30	30. 43	40. 45	49. 34	Brook for		
" 20	078 E	127	37. 17	37. 09	49. 20	52. 14	Brook for		

Hannas Master, from Cape of Good Hope towards Sumatra.

Winds.	Weather, Currents, Bearings of the Land, and Remarkable Occurrences.
S.E.	Comme fresh breezes & squally with rain.
S.S.E.	Most part the same.
"	Ends moderate with passing squalls.
S.E.	Fresh breezes & squally with a high bad sea.
S.W.	Most part more moderate wind inclining Westerly.
S.W.	Comme fresh breezes passing squalls, sea abating.
"	Ends with fair breezes pleasant weather.
W.N.W.	Comme gentle breezes pleasant.
S.W.	at 3.30 P.M. the Wind of C & K most part has a light Northerly Current.
S.E.	Ends light breezes & cloudy.
S.E.	Comme with gentle breezes & cloudy.
"	Wind part. Breeze increasing with passing clouds.
S.E.	Ends the same.
South.	Fresh breezes - squally weather.
"	at 5. P.M. Lunar by C & K.
S. by N.	Ends moderate pleasant.
S.W.	Fresh breezes - pleasant weather.
South.	at 7.30 P.M. Lunar by C & K. a Northerly Current of 10 miles.
South.	Light breezes & cloudy weather.
"	a Northerly Current of 5 miles.
South	Comme light breezes from the south, inclining
W.W.W.	Westerly.
S.W.	Lab. part. Breeze increasing from the S.W. & cloudy.
S.W.	Comme with variable winds in the Southern
S.S.W.	quarters, with passing squalls.
S.W.	at 10. P.M. Lunar by C & K. a Northerly current of 13 miles.
S.W.	Light variable winds with passing squalls.
Variable	Ends pleasant.

JOURNAL, in the Brig Phoenix. Alex -

Date. 18 23	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
Feb 21	153° E	130	38. 11	38. 03	51. 40	54. 503			
" 22	58° E	192	38. 15	38. 10	53. 40	58. 10			
" 23	21. 89° E	215	38. 18	38. 18	50. 03	53. 08			
" 24	175° E	148	37. 32	37. 32	53. 04	55. 11			
" 25	144° E	28	37. 18	37. 21	53. 31	57. 32			
" 25	65° E	62	37. 53	37. 52	55. 03	58. 16			
" 27	108° E	171	37. 43	37. 43	58. 40	71. 51			
" 28	177° E	152	37. 07	37. 07	71. 58	74. 08			
" 29	150° E	40	35. 43	35. 44	78. 45	74. 44			
" 30	65° E	190	38. 48	75	75. 55	77. 52			
" 31	147° E	144	37. 04	37. 04	50. 07				

Hanno. Master, from Cape of Good Hope, towards Sumatra.

Winds.	Weather, Currents, Bearings of the Land, and Remarkable Occurrences.
W. S. W.	Comm'd light breezes from the West ² , squally appearance.
W. E. S.	a Northw. Current of 8 miles.
N. W.	Ends pleasant.
W. N.	Fine breezes pleasant weather.
N. N. W.	Wind, first Breeze increasing & inclining Northwesterly.
W. N. E.	Ends fresh breezes with passing clouds.
W. N. E.	& fresh breezes from the North ² , pleasant weather.
W. S. E.	Ends the same.
North	Comm'd with variable winds from North to West.
W. E. S.	Wind, first wind inclining Southerly, & thick raining weather.
S. E.	Ends moderate & cloudy.
E. S. E.	Comm'd light breezes in the Eastern quarter, & hazy weather.
E. E. E.	Ends light airs & overcast.
East	Comm'd light airs & pleasant.
N. E.	
W. N. E.	Ends fine breezes from the N. W. passing clouds.
W. N. W.	Comm'd with light breezes & pleasant weather.
N. N.	Ends fine breezes from the N. W. passing clouds.
W. N. W.	Comm'd fresh breezes & cloudy with fine rain.
S. W.	at 10. am. Lunar. f. 0 & E
South.	Ends pleasant.
S. E.	Light airs & pleasant weather.
Variable in the South quarter.	at 11. am. 0 & E
	Ends calm & pleasant.
W. N. W.	Comm'd a light breeze from the West & pleasant.
W. E. S.	Wind, first fresh gales & cloudy at 10. am. Obs. the Dist. of 0 & 0 10. 15 made the Northernmost Amsterdam Island. at 11. the Island bore West Dist. 16 miles. Lunar brd. to 11. am. places it in about 77° 52' East. End's fresh gales & cloudy.
"	
W. E. S.	Comm'd fresh gales & cloudy
S. W.	at 1. P.M. the Centre of the Island bore W. E. S. of Comp. Dist. 12 miles from which I take a Departure.
"	Ends calm & cloudy.

JOURNAL in the Brig Phoenix Alex.

Date. 18 22	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
			South	South	East	East			
Nov 1 st	2455 E	195	33. 47	33. 45	88. 40				
" 2 nd	2443 E	201	33. 14	33. 14	88. 32				
" 3 rd	2435 E	177	30. 55	30. 55	88. 35		32. 13	87. 10	am 4.30 N
" 4 th	2439 E	151	28. 59	28. 59	90. 25		30. 18	89. 00	33
" 5 th	2422 E	108	20. 23	20. 22	91. 30				
" 6 th	2420 E	140	24. 11	24. 11	92. 29				
" 7 th	2411 E	113	22. 20	22. 21	92. 52	92. 00			
" 8 th	2406 E	130	20. 12	20. 12	93. 07	92. 23			
" 9 th	2402 E	172	17. 20	17. 20	93. 13	92. 28			
" 10 th	North	203	13. 57	13. 57	93. 13	92. 22			
" 11 th	213	180	10. 57	—	93. 07	92. 17			

Hanna.

Master, from Cape of Good Hope towards Sumatra.

Winds.

Weather, Currents, Bearings of the Land, and Remarkable Occurrences.

1. E.	Comm ^d light breezes & hazy weather.
W. N. E.	Wind fresh & breeze increasing & inclining W. northerly.
2. N.	Ends fresh breeze & pleasant.
3. N. W. N.	Gentle breezes from the N. N. & pleasant through out the 24 hours.
4. N. N.	Comm ^d with fresh breezes from the N. N. & pleasant
"	Ends the same.
5. N. N.	Comm ^d with steady breezes from the N. N. & pleasant
"	Ends the same.
6. N.	Comm ^d with fine breezes & passing clouds.
"	Ends pleasant.
7. N.	Fine breezes & pleasant.
8. N. N.	Wind more moderate & pleasant.
9. N.	Comm ^d light airs & pleasant weather.
South	Wind east a light breeze from the South.
10. E.	Ends pleasant. Long by O + C at noon as per Column.
11. S. E.	Comm ^d with light breezes & pleasant.
"	Wind fresh moderate with passing squalls.
12. East	Ends pleasant. Long to O + C
13. S. E.	Comm ^d fine breezes with passing clouds.
"	Wind fresh breezes & squally.
14. East	Ends pleasant.
15. S. E.	Comm ^d fine breezes with passing clouds.
"	at 3.00M. Long by O + C gr. 22 8.
"	Ends fresh breezes & squally.
16. East	Fine breezes with passing squalls.
"	O + C.
17. S. E.	Ends the same.

JOURNAL in the *Year Phoenix A.D.*

Hannæ Master, from Cape of Good Hope towards Sumatra.

JOURNAL, in the Brig Phoenix Alex.

Date.	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
18 21			North.	North.	East.	East.			
8 57 52 N	33	1.47	2.40	95.23					
" 8 53 M	38	2.28	2.30	94.49					
" 9 8 11 N	10	2.20	2.17	94.47					
" 10 47 5 M	34	2.17	2.31	93.55					
" 11 8 33 M	19	2.04	2.15	93.45					
" 12 8 25 M	117	0.29	0.30	92.55					
		South.	South.						
" 13 8 12 M	119	1.20	1.20	92.30					
" 14 8 19 M	105	3.05	3.05	91.43					
" 15 8 22 M	05	4.12	4.05	91.25					
" 16 8 30 M	55	5.12	5.01	90.45	91.55				
" 17 8 15 M	91	0.17	0.05	89.43	90.49				

Hannover Master, from Sumatra. towards Cape of Good Hope.

Winds.

Weather, Currents, Bearings of the Land, and Remarkable Occurrences.

East.	Commt with light breezes & passing clouds.
E. E.	At 1 P.M. saw the Western Coco, bearing S.E. 1/2 S. Dist, 10 miles from which I take my Departure, a heavy head beat sea. Ends pleasant.
E. & E.	Commt light breezes & pleasant weather. sea abating. Mid part. Squally with sharp lightning. Ends moderate.
W. N.	Light baffling airs & pleasant weather.
Calm	Ends calm & pleasant.
S. E. S.	Commt light airs from the S.E. quarter & cloudy.
S. N.	Mid part moderate & cloudy a Northerly current of 14 miles.
S. W.	Commt with a light air from the S.W.
Even.	Mid part a Breeze from the S.W.
W. N.	a Northerly Current of 11 miles.
W. & W.	Commt gentle breezes from the West & pleasant.
West	Ends cloudy with passing squalls. —
W. S. W.	Commt moderate & cloudy.
West	Ends fine breezes with passing clouds.
W. by S.	Fine Breeze from the West & pleasant Mid part Squally. Ends fine breezes pleasant.
W. by S.	Commt with light Breezes passing squalls. Ends pleasant. a Northerly current of 9 miles.
W. W. & N.	Commt moderate & pleasant
W. S. S.	Mid part Squally. Soon by C. & K. ded. to noon as per Column. 11 miles off & about current.
W. W. N.	Ends fine breezes pleasant.
W. N.	Commt gentle Breezes pleasant weather a Northerly current of 12 miles. Ends the same.

JOURNAL in the Brig Phoenix. a/c²

Date.	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
18 24			South.	South.	East.	East.			
			" 55	55	88.42	89.28			
19	850m	78	8.56	8.59	88.30	89.21			
20	854m	90	7.08	7.08	87.05	87.51			
21	855m	80	7.58	7.59	85.53	80.39			
22	850m	110	9.07	9.07	84.28	86.40			
23	855m	125	10.19	10.19	82.43	84.33			
24	855m	120	11.31	11.31	80.59	82.54			
25	852m	120	12.57	12.53	79.05	80.35	11.13	82.35	3 11.
26	853m	170	14.35	14.35	78.45	77.46			
27	842m	153	15.16	15.19	71.50	75.10			
28	852m	161	17.54	17.54	72.84	73.00			

Hannah Master, from Sumatra. towards Cape of Good Hope.

Winds.	Weather, Currents, Bearings of the Land, and Remarkable Occurrences.
W. N.	Comm'd light breezes from the W. N. pleasant.
S. W. N.	at 9 a.m. Long by 0° 4' ded to noon as per column. Ends pleasant.
S. E.	Light airs and pleasant weather.
W. N.	at noon.
S. S. W.	Ends calm & pleasant.
S. S. W.	Comm'd a light air from the South & is pleasant.
S. S. E.	Ends fine breezes and pleasant.
South	Light W. breezes and pleasant weather.
W. S. E.	Mid part equally with baffling winds from South to S. E.
W. E.	Ends pleasant.
S. E.	Light breezes & pleasant.
South	at 10 a.m. Long by 0° 0' ded to noon as per column.
E. S. E.	by which it appears we have had an Easterly current of 15.25 since the last lunar on the 18 th .
S. E.	Mid part light trade winds sparing clouds.
E. S. E.	at 11 a.m. Long by 0° 8'
	Ends pleasant.
S. E.	Gentle breezes & pleasant weather.
E. S. E.	Mid part fine breezes with passing squalls.
S. S. E.	at 10. lunar by 0° 8'.
E. S. E.	Ends fine breezes & pleasant.
E. S. E.	Comm'd light breezes & pleasant.
	Mid part fresh breezes & squally.
	at 11. a.m. lunar by 0° 8'.
	Ends pleasant.
S. E.	Comm'd fresh breezes & pleasant weather.
E. S. E.	at 10.30 a.m. Long by 0° 8' ded to noon as per column.
E. S. E.	by which we shall have a westerly current of 32 miles.
E. S. E.	Ends pleasant with passing clouds.
E. S. E.	Comm'd fine breezes with passing squalls.
	at 11. a.m. Long by 0° 8' ded to noon as per column.
	by which we shall have had a westerly current of 30 miles.
	Ends pleasant.
S. S. E.	Fine trade winds and pleasant weather.
S. S. E.	at 11. a.m.
E. S. E.	Ends the same.

JOURNAL in the Brdg. Phoenix Alex.

Date.	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
18 24									
			South.	South.	East.	East.			
Jan 29	557m	1123	19.12	19.12	70.28	70.54			
" 30	553m	103	20.10	20.10	58.58	59.24			
" 31	53m	100	20.53	20.55	60.23	67.49			
Feb 1	571m	124	21.35	21.35	64.17	65.43			
" 2	874m	84	22.02	21.58	62.51	64.17			
" 3	175m	85	22.20	22.20	61.21	62.47			
" 4	807m	91	22.55	22.55	59.30	61.10			
" 5	884m	52	23.03	22.59	58.53	62.17			
" 6	575m	72	23.17	-	57.35	61.00			
" 7	673m	93	23.44	23.47	55.59	59.23			
" 8	673m	115	24.17	24.21	53.57	57.51			

Hannas. Master, from Sumatra towards Cape of Good Hope.

Winds.

Weather, Currents, Bearings of the Land, and Remarkable Occurrences.

W. N. E.	Comm. fine trades and pleasant weather.
W. E. by E. East.	Ends fine breezes from breezes from the East.
East.	Comm'd gentle B. breezes & pleasant.
"	Ends moderate with squally appearances in the W.M.
W.M. East.	Comm'd squalls from the S.W. Ends part wind from the East & pleasant.
"	Ends the same.
E. N. E.	Fine breezes and pleasant weather.
W.E.	Ends the same.
W. N. E.	Comm'd moderate & pleasant.
North.	Mid. part variable winds with intervening Calms.
North.	Ends pleasant.
North South East.	Comm'd light airs from the North & pleasant. Mid. part variable winds & squally. Ends squally a swell from the N.E.
North West W.E.	Comm'd light variable airs with passing squalls. Mid. part Squally. wind veering all round the compass.
North	Ends pleasant with passing Clouds.
W. N. E.	Comm'd with light airs & pleasant weather.
East.	ab. 11 am Long. by o.s. was 52. 18 differing 2 deg. from last lunar l. bkt. fixt. Ends pleasant.
North West South N.E.	Light variable winds & squally. Lat. part Moderate & cloudy. wind veering all round the compass.
North	Light baffling airs and cloudy.
S.E.	Ends gentle B. breezes & pleasant weather.
W.E.	Light B. breezes & pleasant.
North N.E.	Mid. part Squally. ab. 11 am Long. by o.s. Ends pleasant.

JOURNAL in the Brig Phoenix Alex.

Date.	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
18 24			south	South	east	east			
Dec 30	882 m	150	25.12	25.12	51.14	51.18			
" 10	873 m	90	25.08	25.08	49.39	51.01			
" 11	2189 m	97	25.13	25.18	47.52	52.14			
" 12	871 m	187	25.07	25.05	46.35	48.55			
" 13	872 m	198	27.11	27.10	51.45	47.25	25.25	49.00	19 m
" 14	870 m	197	26.10	26.10	53.15	43.49			
" 15	852 m	190	26.41	26.41	35.65	41.35			
" 16	837 m	19	31.17	31.24	32.12	32.45			
" 17	833 m	111	32.05	32.11	36.15	35.18			
" 18	837 m	80	32.33	32.12	28.47	31.20			
" 19	855 m	120	33.09	33.30	25.37	32.57			

Canno. Master, from Sumatra, towards Cape of Good Hope.

Winds.

Weather, Currents, Bearings of the Land, and Remarkable Occurrences.

W. N. E.	Comm'd fine breezes & passing clouds. at 3.30 a.m. Dist. of S. E.
North	
W. E.	Comm'd fresh breezes & cloudy. Judge the Is. of Bourbon to bear N 3 E Dist. 231 miles.
W. N. E.	Comm'd fresh breezes with passing clouds. at 10 a.m. Sun near by S. E.
W. N.	Ends light from the S. W. & pleasant.
S. N. by E.	Comm'd light baffling airs & cloudy
S. S. W.	Mist, east wind inclining Southerly & pleasant.
South.	a Southerly Current of 7 miles.
S. S. E.	Comm'd fine breezes with passing clouds. Mist, east fresh breezes & cloudy. Ends more moderate.
W. S.	Comm'd fine breezes with passing clouds at 6.30 a.m. Sun near by S. S. E.
W. S. E.	Ends the same.
S. E. E.	Fine breezes & pleasant weather throughout the 24 hours. at 10. a.m. Sun near by S. S. E.
S. S.	
S. S. E.	Fine breezes & pleasant weather.
S. S. E.	at 6. a.m. a Southerly Current of 7 miles.
East	Comm'd with light air & pleasant Ends moderate a Southerly Current of 7 miles.
E. S. S.	
E. S. E.	Light air & pleasant weather. at 8 a.m. S. S. E. Ends fine breezes & pleasant a Southerly Current of 21 miles.

JOURNAL in the Brig. Phoenix Dec.

Date.	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia
18 24									
20 00 111	111	20.00	34.16	34.16	15.00	15.00			
21 11 111	111	21.11	34.02	33.98	12.33	12.33			
22 01 111	111	22.01	33.91	33.89	12.18	12.18			
23 02 111	111	23.02	33.81	33.79	12.04	12.04			
24 03 111	111	24.03	33.71	33.69	11.91	11.91			
25 04 111	111	25.04	33.61	33.59	10.78	10.78			
26 05 111	111	26.05	33.51	33.49	10.65	10.65			
27 06 111	111	27.06	33.41	33.39	10.52	10.52			
28 07 111	111	28.07	33.31	33.29	10.39	10.39			
29 08 111	111	29.08	33.21	33.19	10.26	10.26			
March 10	111	30.10	33.11	33.09	10.13	10.13			

Kanna. Master, from Sumatra. towards Cape of Good Hope.

JOURNAL in the *Big Phoenix* illus.

Master, from *Can y^e good w^e go towards th^e C^el^este*.

Winds.	Weather, Currents, Bearings of the Land, and Remarkable Occurrences.
West S. S. W. N. E.	Clouds with light air from the N. E. and S. E. and wind from land increasing to 20 miles to N. South Cloudy pleasant.
S. E. N. E.	Cloudy then some clouds, a southeasterly current continued to 20 miles of 21 miles.
S. S. W.	Wind S. S. W. land breeze with some clouds. Current about 10 miles to the southward of 100 miles, we are not able to ascertain whether the land was about a West. set to S. and not away.
S. E. N. E.	Wind S. S. W. about 10 miles to the S. E. 8 miles to the S. S. W. a current of 10 miles from S. E. to N. E. about 10 miles to a current of 100 miles to the S. S. W. about 10 miles to the S. S. W. a current of 10 miles.
S. S. W. N. E.	Cloudy and pleasant weather about 10 miles to the S. S. W. a current about 10 miles to the S. S. W. a current of 10 miles to the S. S. W. about 10 miles to the S. S. W. a current of 10 miles to the S. S. W.
S. S. W. N. E.	Wind S. S. W. about 10 miles to the S. S. W. a current about 10 miles to the S. S. W. a current of 10 miles to the S. S. W. about 10 miles to the S. S. W. a current of 10 miles to the S. S. W.
S. S. W. N. E.	Wind S. S. W. about 10 miles to the S. S. W. a current about 10 miles to the S. S. W. a current of 10 miles to the S. S. W. about 10 miles to the S. S. W. a current of 10 miles to the S. S. W.
S. S. W. N. E.	Wind S. S. W. about 10 miles to the S. S. W. a current about 10 miles to the S. S. W. a current of 10 miles to the S. S. W.
S. S. W. N. E.	Cloudy pleasant weather. Cloudy passing clouds with small rain.
S. S. W. N. E.	Wind S. S. W. about 10 miles to the S. S. W. a current about 10 miles to the S. S. W. a current of 10 miles to the S. S. W. about 10 miles to the S. S. W. a current of 10 miles to the S. S. W.

JOURNAL, in the

Master, from towards

JOURNAL in the

Via Maris Idae

Date.	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
1826									
March									
23	1510	121	20° 30'	100.00	22° 32'	26.22			
"	1534	160	16.30		22° 36'	10.00			
"	1534	160	16.30		22° 36'	10.00			
"	1534	160	16.30		22° 36'	10.00			
"	1534	121	15.30	100.00	22° 32'	33.00			
"	1534	120	15.30	100.00	22° 32'	32.00			
"	1534	04	17° 43'	17° 43'	22° 13'	32.34	15.00	10.00	0.00
"	1534	02	16.00	16.00	22° 18'	36.00			
"	1534	01	16.00	16.00	22° 18'	36.00			
April	1510	11	6.00	100.00	22° 10'	6.00			
"	1518	08	11.50	10.00	22° 2	31.00			
"	1518	01	12.00	11.00	22° 10'	31.00			

Carries Master, from Association towards our districts.

JOURNAL in the *High Country*. Augt

Hanna Master, from *Cape de Good* towards *Cape Horn*

Winds.	Weather, Currents, Bearings of the Land, and Remarkable Occurrences.
N. E. S. E. W. E.	Clouds found to be scattered Clouds few.
E. E. S. E. W. S. E.	Clouds found to be scattered Clouds few.
N. E. S. E.	Clouds found to be scattered Clouds few.
N. E. S. E.	Clouds found to be scattered Clouds few.
S. E. N. S. E.	Clouds found to be scattered Clouds few.
N. E. S. E.	Clouds found to be scattered Clouds few.
N. E. S. E.	Clouds found to be scattered Clouds few.
N. E. S. E.	Clouds found to be scattered Clouds few.
N. E. S. E.	Clouds found to be scattered Clouds few.
N. E. S. E. S. S. E.	Clouds found to be scattered Clouds few.
N. W. S. W.	Clouds found to be scattered Clouds few.

JOURNAL, in the *Big Macie, 8ley.*

Hans Master, from Cape de Verd towards Cape Spartel.

Winds.	Weather, Currents, Bearings of the Land, and Remarkable Occurrences.
S. W.	Common fine breezes & squally.
West	Mid. & Lower part turn inclining to the N. W. with
W. W.	pleasant weather.
W. W.	Common with fine breezes & pleasant weather.
West	Ends squally with rain.
W. W.	So. is. & Mid. part Gentle breezes & pleasant,
W. N.	wind inclining Northwesterly.
W. N. E.	Ends moderate & pleasant,
North.	Light breezes from the N.orthw. are pleasant at 4 P.M. Made Cape Spartel bearing S. E. by E. by Compass. Dist. 30 miles Ends pleasant at noon abreast of Gibraltar Rock.

JOURNAL, in the

